# U.S. ARMY CORPS OF ENGINEERS ST. PAUL DISTRICT

Colonel Karl D. Jansen 04 February 2020

Driven to be a

#### District that Delivers

for our workforce, partners, region, and Nation by BUILDING STRONG and Taking Care of People



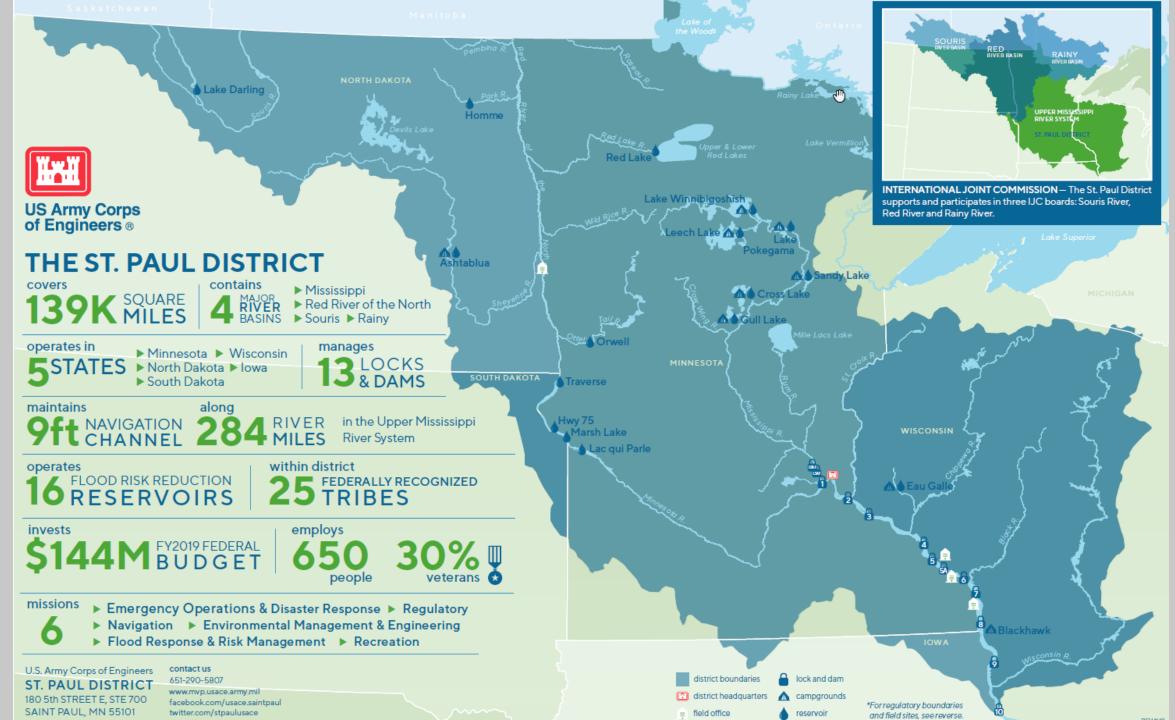












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# LEADERSHIP UPDATES













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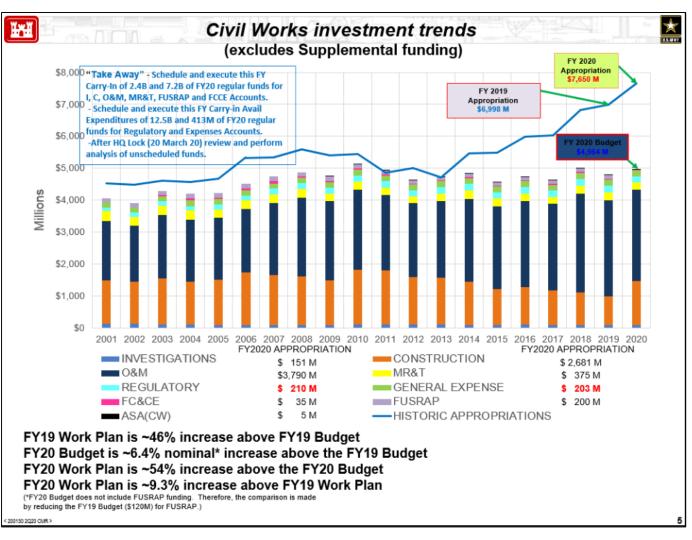
#### **BUDGET OUTLOOK**





Congresswoman Angie Craig advocates for FY20 workplan funding to enable Minnesota River dredging during a 09 January 2020 House Transportation and Infrastructure Subcommittee on Water Resources and Environment hearing in Washington, D.C. focused on a 2020 WRDA.





- FY21 Budget Release: 10 February 2020
  - FY20 Work Plan Release: In the coming weeks



## REVOLUTIONIZE USACE CIVIL WORKS



#### **Three Mission-Critical Objectives**



Accelerate Project Delivery



- · Project Delivery Strategies
- Acquisition Processes and Tools
- Risk-informed Decision-Making and Delegated Decisions
- Innovation

02 02

Transform
Project Financing
and Budgeting



- Alternative Financing Tools
- o WIFIA Loans
- o P3 Strategies
- Civil Works Budgeting
- Funding Flexibility

03

Improve Permitting and Regulation Reform



- Environmental Reviews and Permits
- Mitigation
- · Permitting Processes
- Regulation Reform

#### REVOLUTIONIZE USACE CIVIL WORKS

#### **BUILDING STRONG INFRASTRUCTURE**

USACE is committed to modernizing internal processes, pursuing alternative financing approaches, and streamlining permitting in cooperation with stakeholders to revitalize the nation's infrastructure.







#### **A LOOK BACK TO 2019**





#### **SMASHING RECORDS!** H-H US Army Corps of Engineers ® **MISSISSIPPI** St. Paul District RIVER LOCK & DAM 10 **WATER VOLUMES** ~25.4 2019 1993 ~12.4 50 -year average 1988 ~6.1 record low

\*trillion gallons of water

Enough water passed through Lock & Dam 10 in 2019 to fill Mille Lacs Lake 28 Times!



**BUILDING STRONG**®

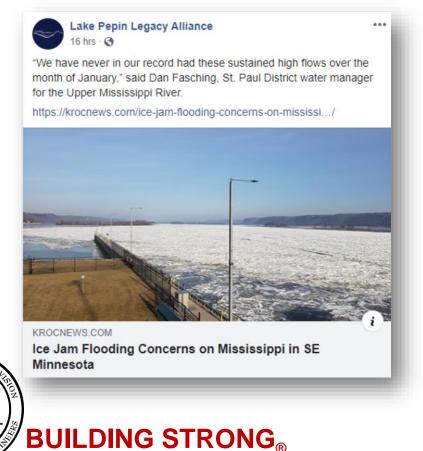
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## **EXPERIENCING A UNIQUE WINTER**



Flows have remained high all winter. Dealing with ice jams caused from the varying temperatures paired with the high flows.



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## PREPARING FOR A CHALLENGING SPRING 2020



The entire basin has experienced higher than normal baseflow and fall flows. Many sites have set seasonal records throughout the basin. What can we expect this spring?

#### **Probable**

• Spring melt happens to be mild and drawn out (like last year). Ice jamming areas melt and dissipate before runoff arrives. An average amount of additional precipitation is received. All locks pull gates at some point. The locks remain open to navigation. SAF flood gate is used briefly.

#### **Possible**

 Spring melt happens at an average rate. Ice jamming is an issue in some areas but dissipate quickly and with little impact. An average amount of additional precipitation is received. All locks pull gates. All locks require some flood action (like last year). Locks 4 and 3 close to navigation briefly (maybe a handful of days). SAF flood gate is used for an extended period.



#### **Unthinkable**

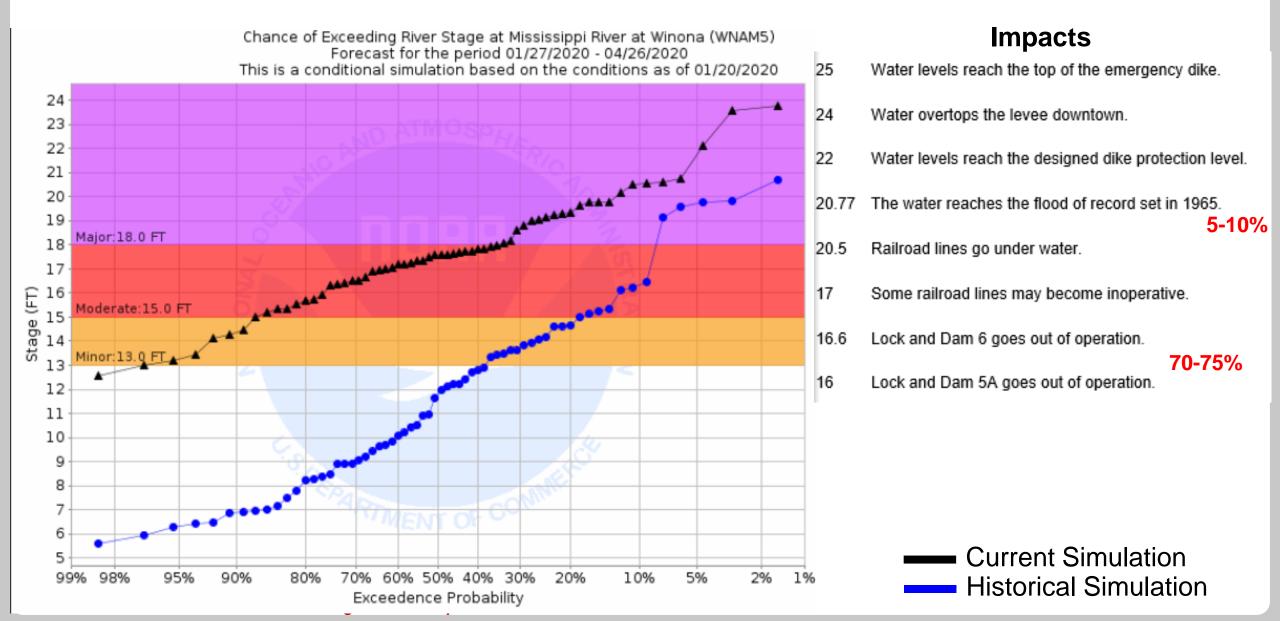
• Spring melt happens quickly. Ice jammed areas inundated unpredictably. Above average amount of precipitation is received. All locks pull gates early. Additional flood action needed at lock sites beyond what was done last year. Locks 4 and 3 are closed to navigation for extended periods. Other locks closed for a handful of days (Locks 5A and 10 are next most likely). SAF flood gate is used for perhaps the entire event





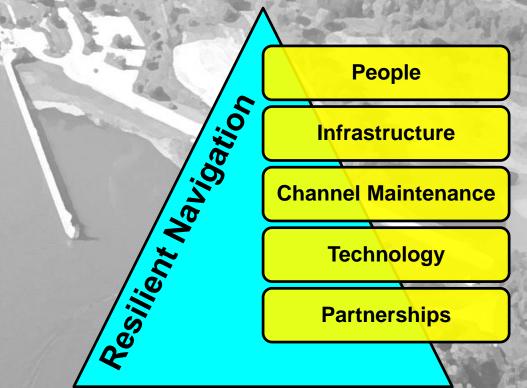
# **CURRENT PROBABILISTIC FORECAST: WINONA**





# Resilient Navigation 2020-2030 Strategic Priorities

The 9-foot Navigation Project is approaching 100-years in service; we are setting our sights on preparing for the next century of relevant and reliable operation to support our nation's competitive advantage.





# **RESILIENT NAVIGATION: PEOPLE**







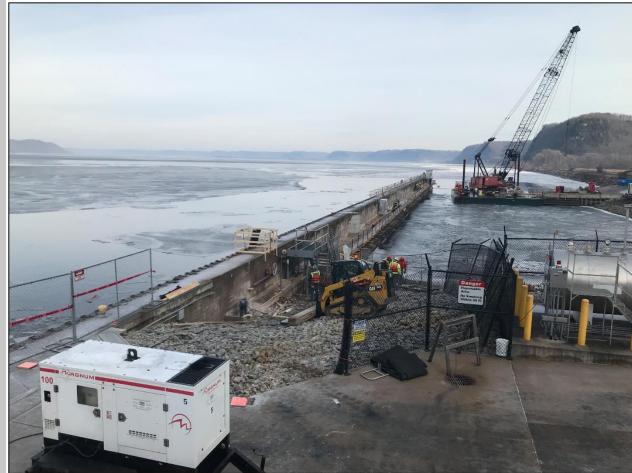


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# RESILIENT NAVIGATION: INFRASTRUCTURE







Tow Rail Replacement at Lock and Dam #9

Upper St. Anthony Falls Lock and Dam

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# RESILIENT NAVIGATION: CHANNEL MAINTENANCE









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#### DREDGED MATERIAL MANAGEMENT PLANS



#### Pool 2

Upper Pool Approach: Transfer sediment to local partner for beneficial use. Non-standard estate agreement required.

Lower Pool Approach: Acquire Lower Grey Cloud Island pit through a successful negotiation.

Next Steps: Finalize report based on recent comment period.

#### Pool 4

Approach: Pursue a 217(d) agreement with Wabasha Port Authority

Next Steps: Late spring 2020 draft report release for public comment.

#### Pool 5

Approach: Site acquisition from a willing seller

Next Steps: Finalize real-estate actions and prepare to implement plan.

#### Pool 6

Approach: Beneficial use opportunities and site acquisition through a successful negotiation.

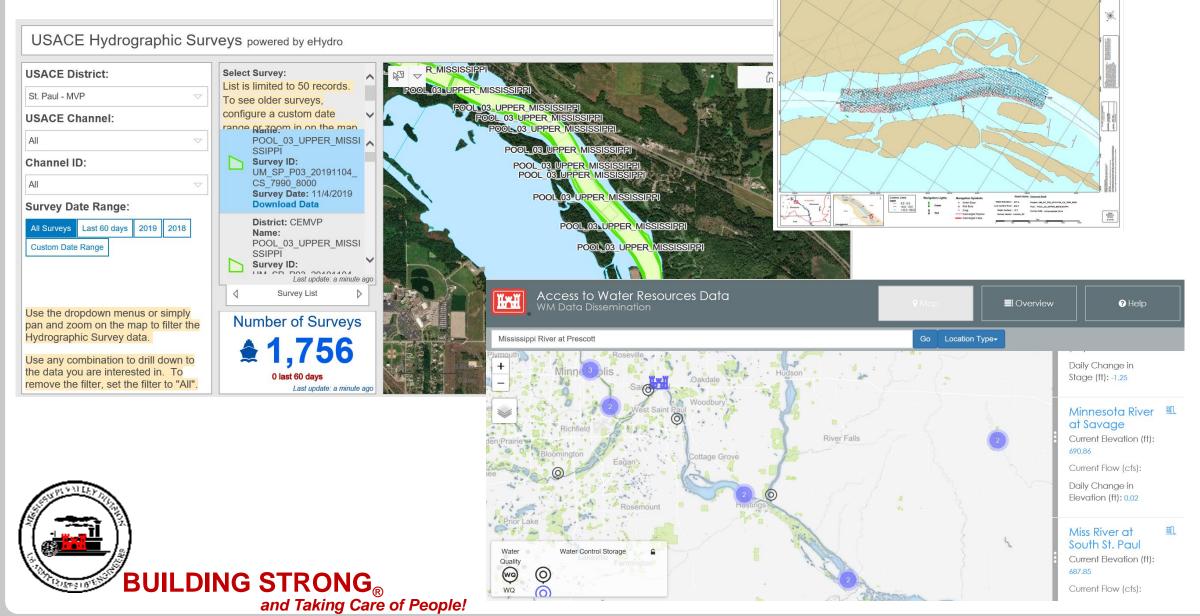
Next Steps: Public release of Tentatively Selected Plan (TSP), to include a public meeting on 11 February 2020.





## **RESILIENT NAVIGATION: TECHNOLOGY**







# **RESILIENT NAVIGATION: PARTNERSHIPS**









#### **River Resources Forum**

An interagency partnership on the Upper Mississippi River

The River Resources Forum, or RRF, is a state and federal agency partnership for addressing resource issues concerning the Upper Mississippi River system within the St. Paul District jurisdiction. Participating agencies include: the U.S. Army Corps of Engineers, the U.S. Fish and Wildlife Service, the U.S. Coast Guard, the Environmental Protection Agency, the Natural Resources Conservation Service, the National Park Service, the Minnesota Pollution Control Agency and the departments of natural resources and transportation from Minnesota, Wisconsin and Iowa.

















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# ST. PAUL DISTRICT FUTURE OUTLOOK



#### **Headlines**

- FY21 Budget Release
- FY20 Workplan
- Spring 2020 flooding outlook

#### **Challenges**

- Minnesota River dredging
- Persistent high-water
- Aging infrastructure
- Dredged material management

## **Opportunities**

- Resilient Navigation
- Tribal Partnership Program
- Public Assistance to States
- Interagency Support

## **Important Dates**

- Pool 6 DMMP Public Meeting (11 February)
- Spring D.C. Congressional Visits (Week of 30 March)
- USACE Business Opportunities Open House (27 May)
- REP Kind / REP Hagedorn Visits to Locks and Dams (TBD)
- Upper St. Anthony Falls Disposition Study (Early Summer)



# **QUESTIONS AND DIALOG**













